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## Japan

### Food and Agricultural Import Regulations and Standards

#### Changes to MRL of Amisulbrom, Oxadiargyl, and other 9 chemicals

**2007**

**Approved by:**

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Tokyo

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**Report Highlights:**

On November 7, 2007, MHWL announced proposed changes to the MRLs for the agricultural chemicals Amisulbrom, Oxadiargyl, Chromafenozide, Cyazofamid, Daimuron, Tiadinil, Nitrpyrin, Novaluron, Fenhexamid, Penthioopyrad and Metaldehyde. MHLW will notify these changes to the WTO SPS Committee.

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Includes PSD Changes: No  
Includes Trade Matrix: No  
Annual Report  
Tokyo [JA1]  
[JA]

### Executive Summary

On November 7, 2007, MHLW announced proposed changes to the MRLs for the agricultural chemicals Amisulbrom, Oxadiargyl, Chromafenozide, Cyazofamid, Daimuron, Tiadinil, Nitrpyrin, Novaluron, Fenhexamid, Penthiopyrad and Metaldehyde. MHLW will notify these changes to the WTO SPS Committee.

The period for comments directly to MHLW closed November 21, 2007, however MHLW intends to notify these proposed changes to the WTO/SPS committee, which would be the last chance for public comments to be submitted on this subject. Then after the closing of a the comment period in the WTO, a report to the Minister of Health, Labour, and Welfare will be made based on the conclusions of a session of the Pharmaceutical Affairs and Food Sanitation Council slated to be held at a later date, and this will constitute the final decision.

If you have comments that you would like to be considered for inclusion in the official U.S. Government comments to the MHLW, please send those as soon as possible to the Agriculture Section of the U.S. Embassy in Tokyo, at [agtokyo@usda.gov](mailto:agtokyo@usda.gov).

For comments directly to MHLW, please send those to following contacts.

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Ministry of Health, Labour and Welfare

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### **Establishment of Maximum Residue Limits for the Pesticides (Amisulbrom, Oxadiargyl, Chromafenozide, Cyazofamid, Daimuron, Tiadinil, Nitrpyrin, Novaluron, Fenhexamid, Penthiopyrad and Metaldehyde) in Food**

#### **Purpose**

This activity is to develop specifications and standards for foods. Under the provisions of Article 11, Paragraph 1 of the Food Sanitation Law, the Minister of Health, Labour, and Welfare is authorized to establish residue standards (maximum residue limits: MRLs) for pesticides, feed additives, and veterinary drugs (referred to as just "agricultural chemicals") that may remain in foods. Any food for which standards are established pursuant to the provisions is not permitted to be marketed unless such food complies with the established standards.

On May 29, 2006, the Ministry of Health, Labour and Welfare (MHLW) introduced the positive list system for agricultural chemicals in food.\* Basically, all foods distributed in the Japanese marketplace are subject to regulation based on the system.

*Note: The positive list system was established based on the 2003 amendment of the Food Sanitation Law. The system aims to prohibit the distribution of any food in the Japanese marketplace if it contains agricultural chemicals at amounts exceeding certain levels specified under the Law.*

## Outline of the activity

**Amisulbrom (Fungicide):** This chemical is not permitted for use in Japan. This time the Ministry of Agriculture, Forestry and Fisheries (MAFF) has decided to approve the chemical based on the Agricultural Chemicals Regulation Law (ACRL). In response to MAFF's decision, the MHLW has newly established MRLs for some crops. Currently, MRLs are not set for any crops.

**Oxaziargyl (Herbicide):** This chemical is not permitted for use in Japan. This time MAFF has decided to approve the chemical based on the ACRL. In response to MAFF's decision, the MHLW has newly established MRLs for some crops. Currently, MRLs are not set for any crops.

**Chromafenozide (Insecticide):** This chemical is already permitted for use in Japan. MAFF will expand the scope of target crops for which the use of the chemical is permitted. In response to MAFF's action, the MHLW has reviewed the existing MRLs.

**Cyazofamid (Fungicide):** This chemical is already permitted for use in Japan. MAFF will expand the scope of target crops for which the use of the chemical is permitted. In response to MAFF's action, the MHLW has reviewed the existing MRLs.

**Daimuron (Herbicide):** This chemical is already permitted for use in Japan. In response to MAFF's request, the MHLW has newly established MRLs for aquatic food animals.

**Thiadinil (Fungicide):** This chemical is already permitted for use in Japan. The MHLW has reviewed the existing MRLs, which had been provisionally established at the time of the introduction of the new system.

**Nitrapyrin (Fungicide):** This chemical is already permitted for use in Japan. The MHLW has reviewed the existing MRLs, which had been provisionally established at the time of the introduction of the new system.

**Novaluron (Insecticide):** This chemical is already permitted for use in Japan. MAFF will expand the scope of target crops for which the use of the chemical is permitted. In response to MAFF's action, the MHLW has reviewed the existing MRLs.

**Fenhexamid (Fungicide):** This chemical is already permitted for use in Japan. MAFF will expand the scope of target crops for which the use of the chemical is permitted. In response to MAFF's action, the MHLW has reviewed the existing MRLs.

**Penthiopyrad (Fungicide):** This chemical is not permitted for use in Japan. This time MAFF has decided to approve the chemical based on the ACRL. In response to MAFF's decision, the MHLW has newly established MRLs.

**Metaldehyde (Insecticide):** This chemical is not permitted for use in Japan. This time MAFF has decided to approve the chemical based on the ACRL. In response to MAFF's decision, the MHLW has reviewed the existing MRLs.

The existing MRLs for chromafenozide and fenhexamid appear in either of the MRLs List (the Item 6, Section A "General Compositional Standards for Food," Part I "Food" in the Specifications and Standards for Food, Food Additives, Etc.) and Provisional MRLs List (Item 7, Section A), according to crops. The existing MRLs for tiadinil, nitrapyrin, and metaldehyde appear only in the Provisional MRLs List (Item 7). These MRLs have been modified as necessary. Finalized MRLs for these chemicals will be placed on the MRLs List in Item 6, and

the MRLs currently placed in Item 7 will be deleted. Finalized MRLs for the remaining chemicals (Amisulbrom, Oxaziargyl, Cyazofamid, Daimuron, Novaluron, Penthiopyrad) will be placed in Item 6. For draft MRLs, see Attachments 1-1 through 1-11.

Attachment. 1-1

Amisulbrom (Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Soybeans, dry	0.3	
Potato	0.05	
Tomato	2	
Cucumber	0.7	
Melons	0.05	
Grape	3	

Attachment. 1-2

Oxadiargyl (Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	0.05	
Aquatic animals	0.02	

Attachment. 1-3

## Chromafenozide(Insecticide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	0.2	0.2
Corn (maize)	0.05	
Soybeans, dry	0.5	0.5
Taro	0.05	
Sweet potato	0.05	
Sugar beet	0.05	0.1
Japanese radish, roots	0.05	0.1
Japanese radish, leaves	3	5
Turnip, roots		0.1
Turnip, leaves		5
Horseradish		0.1
Watercress		5
Chinese cabbage	0.7	2
Cabbage	2	2
Brussels sprouts		5
Kale	5	5
Komatsuna , Japanese mustard spinach	5	5
Kyona	5	5
Qing-geng-cai	5	5
Cauliflower		5
Broccoli	2	5
Other cruciferous vegetables <sup>5</sup>	5	5
Burdock		0.1
Salsify		0.1
Artichoke		5
Chicory		5
Endive		5
Shungiku		5
Lettuce	2	5
Other composite vegetables <sup>6</sup>		5
Welsh	0.7	5
Nira		5
Asparagus		5
Multiplying onion	1	5
Other liliaceous vegetables <sup>7</sup>		5
Carrot		0.1
Parsnip		0.1
Parsley		5
Celery		5
Mitsuba		5
Other umbelliferous vegetables <sup>8</sup>		5
Tomato	0.5	1
Pimiento (sweet pepper)	1	2
Egg plant	0.5	1
Other solanaceous vegetables <sup>9</sup>	1	2

## Chromafenozide(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Cucumber	0.3	1
Pumpkin		1
Oriental pickling melon (vegetable)		1
Water melon		0.1
Melons	0.05	0.1
<i>Makuwauri</i> melon		0.1
Other cucurbitaceous vegetables <sup>10</sup>		1
Spinach		5
Bamboo shoots		0.1
Okra	0.7	2
Ginger	0.05	0.1
Peas, immature (with pods)	0.3	5
Kidney beans, immature (with pods)		5
Green soybeans	5	5
Other vegetables <sup>12</sup>	0.05	5
Apple	0.7	1
Japanese pear	1	1
Pear	1	1
Quince		1
Loquat		0.1
Peach	0.1	0.1
Nectarine		1
Apricot		1
Japanese plum		1
Mume plum	3	1
Cherry	1	1
Strawberry	0.5	1
Raspberry		1
Blackberry		1
Blueberry		1
Cranberry		1
Huckleberry		1
Other berries <sup>14</sup>		1
Grape		1
Japanese persimmon		1
Banana		1
Kiwifruit		0.1
Papaya		1
Avocado		1
Pineapple		1
Guava		1
Mango		1
Passion fruit		1
Date		1

## Chromafenozide(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Other fruits <sup>15</sup>		1
Tea	20	20
Other spices <sup>17</sup>	0.05	5
Other herbs <sup>18</sup>	5	5

Attachment. 1-4

Cyazofamid(Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Wheat	0.05	0.05
Soybeans, dry	0.3	
Beans, dry <sup>2</sup>	0.1	0.1
Potato	0.05	0.05
Japanese radish, roots	0.05	0.05
Japanese radish, leaves	10	10
Turnip, roots	0.3	0.3
Turnip, leaves	20	20
Chinese cabbage	1	1
Cabbage	0.05	0.05
Kale	15	15
Komatsuna , Japanese mustard spinach	15	15
Kyona	10	10
Qing-geng-cai	3	3
Broccoli	1	1
Other cruciferous vegetables <sup>5</sup>	15	15
Lettuce	10	
Onion	0.05	0.05
Welsh	2	2
Multiplying onion	5	
Other liliaceous vegetables <sup>7</sup>	3	3
Mitsuba	10	
Tomato	2	2
Pimiento (sweet pepper)	1	1
Egg plant	0.5	0.5
Other solanaceous vegetables <sup>9</sup>	2	1
Cucumber	0.7	0.7
Pumpkin	0.1	0.1
Oriental pickling melon (vegetable)	0.1	0.1
Water melon	0.05	0.05
Melons	0.05	0.05
Makuwauri melon	0.1	0.1
Other cucurbitaceous vegetables <sup>10</sup>	0.1	0.1
Spinach	25	25
Ginger	3	0.7
Green soybeans	5	
Other vegetables <sup>12</sup>	10	
Unshu orange, pulp	0.7	0.7
Citrus natsudaikai , whole	2	2
Lemon	5	5
Orange	5	5
Grapefruit	5	5
Lime	5	5
Other citrus fruits <sup>13</sup>	5	5
Strawberry	0.7	0.7
Grape	10	10
Other fruits <sup>15</sup>	1	1
Unshu orange, peel	10	10
Other spices (excluding unshu orange, peel) <sup>17</sup>	10	1
Other herbs <sup>18</sup>	15	15

Attachment 1-5

Daimuron(Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	0.1	0.1
Aquatic animals	0.4	

Attachment. 1-6

Tiadinil(Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	1	1
Aquatic animals	0.03	

The MRL for rice is expressed as the sum of three residues (tiadinil and its two metabolites, 4-methyl-1,2,3-thiadiazole-5-carboxylic acid and 4-hydroxymethyl-1,2,3-thiadiazole-5-carboxylic acid, both calculated as tiadinil). The MRL for aquatic animals is expressed as tiadinil residue only.

## Attachment 1-7

## Novaluron(Insecticide)

Commodity	MRL (draft) ppm	Current MRL ppm
Potato	0.05	0.05
Taro	0.05	0.05
Sweet potato	0.05	0.05
Yam	0.05	0.05
Other potatoes <sup>4</sup>	0.05	0.05
Sugar beet	0.05	0.05
Cabbage	1	1
Tomato	2	1
Pimiento (sweet pepper)	0.7	
Egg plant	0.5	0.5
Other cucurbitaceous vegetables <sup>10</sup>	0.05	0.05
Ginger	0.05	0.05
Green soybeans	0.01	
Other vegetables <sup>12</sup>	0.05	0.05
Apple	3	3
Japanese pear	3	3
Pear	3	3
Quince	3	3
Loquat	3	3
Strawberry	2	
Cotton seeds	1	1
Other spices <sup>17</sup>	0.05	0.05
Other herbs <sup>18</sup>	0.05	0.05
Cattle, muscle	0.7	0.7
Pig, muscle	0.7	0.7
Other terrestrial mammals <sup>19</sup> , muscle	0.7	0.7
Cattle, fat	10	10
Pig, fat	10	10
Other terrestrial mammals, fat	10	10
Cattle, liver	0.7	0.7
Pig, liver	0.7	0.7
Other terrestrial mammals, liver	0.7	0.7
Cattle, kidney	0.7	0.7
Pig, kidney	0.7	0.7
Other terrestrial mammals, kidney	0.7	0.7
Cattle, edible offal	0.7	0.7
Pig, edible offal	0.7	0.7
Other terrestrial mammals, edible offal	0.7	0.7
Milk	0.4	0.4
Chicken, muscle	0.01	0.01
Other poultry <sup>21</sup> , muscle	0.01	0.01
Chicken, fat	0.01	0.01
Other poultry, fat	0.01	0.01
Chicken, liver	0.01	0.01
Other poultry, liver	0.01	0.01
Chicken, kidney	0.01	0.01
Other poultry, kidney	0.01	0.01
Chicken, edible offal	0.01	0.01
Other poultry, edible offal	0.01	0.01
Chicken, eggs	0.01	0.01
Other poultry, eggs	0.01	0.01

Attachment 1-8

## Nitrapyrin(Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Wheat	0.1	0.1
Corn (maize)	0.1	0.1
Other cereal grains <sup>1</sup>	0.1	0.1
Cattle, muscle		0.05
Pig, muscle		0.05
Other terrestrial mammals <sup>19</sup> , muscle		0.05
Cattle, fat		0.05
Pig, fat		0.05
Other terrestrial mammals, fat		0.05
Cattle, liver		0.05
Pig, liver		0.05
Other terrestrial mammals, liver		0.05
Cattle, kidney		0.05
Pig, kidney		0.05
Other terrestrial mammals, kidney		0.05
Cattle, edible offal		0.05
Pig, edible offal		0.05
Other terrestrial mammals, edible offal		0.05
Chicken, muscle		0.05
Other poultry <sup>20</sup> , muscle		0.05
Chicken, fat		0.05
Other poultry, fat		0.05
Chicken, liver		0.05
Other poultry, liver		0.05
Chicken, kidney		0.05
Other poultry, kidney		0.05
Chicken, edible offal		0.05
Other poultry, edible offal		0.05

The MRLs are expressed as the sum of two residues (nitrapyrin and its metabolite 6-chloropicolinic acid (6-CPA), calculated as nitrapyrin). 6-CPA includes free and conjugated forms of 6-CPA.

Attachment. 1-9

Fenhexamid(Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Beans, dry <sup>2</sup>	0.05	0.1
Peas		0.1
Broad beans		0.1
Peanuts, dry		0.1
Other legumes/pulses <sup>3</sup>		0.1
Watercress	30	30
Other cruciferous vegetables <sup>5</sup>	30	30
Chicory	30	30
Endive	30	30
<i>Shungiku</i>	30	30
Lettuce	30	30
Other composite vegetables <sup>6</sup>	30	30
Onion	0.05	0.1
Garlic		0.1
Other liliaceous vegetables <sup>7</sup>		0.1
Parsley	30	30
Other umbelliferous vegetables <sup>8</sup>	30	30
Tomato	2	2
Pimiento (sweet pepper)	2	2
Egg plant	2	2
Other solanaceous vegetables <sup>9</sup>	2	2
Cucumber	2	2
Pumpkin	1	2
Oriental pickling melon (vegetable)		2
Water melon		1
Melons		1
<i>Makuwauri</i> melon		1
Other cucurbitaceous vegetables <sup>10</sup>		2
Other vegetables <sup>12</sup>	30	30
<i>Unshu</i> orange, pulp	0.5	0.5
Citrus <i>natsudaidai</i> , whole	5	5
Lemon	5	5
Orange	5	5
Grapefruit	5	5
Lime	5	5
Other citrus fruits <sup>13</sup>	5	5
Pear		20
Loquat		1
Peach	6	6
Nectarine	10	6
Apricot	10	6
Japanese plum	1	1
Mume plum	6	6
Cherry	10	10
Strawberry	10	5
Raspberry	15	3
Blackberry	15	20
Blueberry	5	20
Cranberry		20
Huckleberry	5	20
Other berries <sup>14</sup>	15	20

## Fenhexamid(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Grape	20	20
Kiwifruit		10
Date		20
Other fruits <sup>15</sup>	3	3
Almond	0.02	0.02
Other nuts <sup>16</sup>	0.02	0.02
Hop	100	
Other spices <sup>17</sup>	20	30
Other herbs <sup>18</sup>	30	30
Cattle, muscle	0.05	0.05
Pig, muscle	0.05	0.05
Other terrestrial mammals <sup>19</sup> , muscle	0.05	0.05
Cattle, fat	0.05	0.05
Pig, fat	0.05	0.05
Other terrestrial mammals, fat	0.05	0.05
Cattle, liver	0.05	2
Pig, liver	0.05	2
Other terrestrial mammals, liver	0.05	2
Cattle, kidney	0.05	2
Pig, kidney	0.05	2
Other terrestrial mammals, kidney	0.05	2
Cattle, edible offal	0.05	2
Pig, edible offal	0.05	2
Other terrestrial mammals, edible offal	0.05	2
Milk	0.01	0.01
Raisin	25	

Attachment. 1-10

Penthiopyrad(Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Cabbage	0.7	
Lettuce	3	
Onion	0.05	
Tomato	2	
Pimiento (sweet pepper)	2	
Egg plant	1	
Cucumber	0.5	
Melons	0.05	
Apple	2	
Japanese pear	3	
Pear	3	
Peach	0.2	
Cherry	5	
Strawberry	2	
Grape	10	

Attachment. 1-11

## Metaldehyde(Insecticide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice (brown rice)	0.2	
Wheat	0.2	
Corn (maize)	0.2	1
Soybeans, dry		1
Beans, dry <sup>2</sup>		1
Peas		1
Broad beans		1
Other legumes/pulses <sup>3</sup>		1
Potato		1
Taro		1
Sweet potato		1
Yam		1
Konjac		1
Other potatoes <sup>4</sup>		1
Sugar beet		1
Japanese radish, roots (including radish)		1
Japanese radish, leaves (including radish)		1
Turnip, roots		1
Turnip, leaves		1
Horseradish		1
Watercress		1
Chinese cabbage		1
Cabbage		1
Brussels sprouts		1
Kale		1
<i>Komatsuna</i> , Japanese mustard spinach		1
<i>Kyona</i>		1
Qing-geng-cai		1
Cauliflower		1
Broccoli		1
Other cruciferous vegetables <sup>5</sup>		1
Burdock		1
Salsify		1
Artichoke		1
Chicory		1
Endive		1
<i>Shungiku</i>		1
Lettuce (including cos lettuce and leaf lettuce)		1
Other composite vegetables <sup>6</sup>		1
Onion		1
Welsh (including leek)		1
Garlic		1
<i>Nira</i>		1
Asparagus		1
Multiplying onion		1
Other liliaceous vegetables <sup>7</sup>		1
Carrot		1
Parsnip		1
Parsley		1
Celery		1
<i>Mitsuba</i>		1
Other umbelliferous vegetables <sup>8</sup>		1

## Metaldehyde(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Tomato		1
Pimiento (sweet pepper)		1
Egg plant		1
Other solanaceous vegetables <sup>9</sup>		1
Cucumber (including gherkin)		1
Pumpkin (including squash)		1
Oriental pickling melon (vegetable)		1
Water melon		1
Melons		1
Makuwauri melon		1
Other cucurbitaceous vegetables <sup>10</sup>		1
Spinach		1
Bamboo shoots		1
Okra		1
Ginger		1
Peas, immature (with pods)		1
Kidney beans, immature (with pods)		1
Green soybeans		1
Button mushroom		1
Shiitake mushroom		1
Other mushrooms <sup>11</sup>		1
Other vegetables <sup>12</sup>		1
Unshu orange, pulp		1
Citrus natsudaikai, whole		1
Lemon		1
Orange (including navel orange)		1
Grapefruit		1
Lime		1
Other citrus fruits <sup>13</sup>		1
Apple		1
Japanese pear		1
Pear		1
Quince		1
Loquat		1
Peach		1
Nectarine		1
Apricot		1
Japanese plum (including prune)		1
Mume plum		1
Cherry		1
Strawberry		1
Raspberry		1
Blackberry		1
Blueberry		1
Cranberry		1
Huckleberry		1
Other berries <sup>14</sup>		1
Grape		1
Japanese persimmon		1

## Metaldehyde(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Banana		1
Kiwifruit		1
Papaya		1
Avocado		1
Pineapple		1
Guava		1
Mango		1
Passion fruit		1
Date		1
Other fruits <sup>15</sup>		1
Cotton seeds	0.2	
Other spices <sup>17</sup>	0.2	1
Other herbs <sup>18</sup>		1

## Note:

The uniform limit (0.01 ppm) will be applied to commodities for which draft MRLs are not given. Some limits in the column of "MRL (draft)" remain unchanged from the current MRLs.

1. "Other cereal grains" refers to all cereal grains, except rice (brown rice), wheat, barley, rye, corn (maize), and buckwheat.
2. "Beans (dry)" includes butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.
3. "Other legumes/pulses" refers to all legumes/pulses, except soybeans (dry), beans (dry), peas, broad beans, peanuts (dry), and spices.
4. "Other potatoes" refers to all potatoes, except potato, taro, sweet potato, yam, and konjac.
5. "Other cruciferous vegetables" refers to all cruciferous vegetables, except Japanese radish roots and leaves (including radish), turnip roots and leaves, horseradish, watercress, Chinese cabbage, cabbage, brussels sprouts, kale, komatsuna (Japanese mustard spinach), kyona, qing-geng-cai, cauliflower, broccoli, and herbs.
6. "Other composite vegetables" refers to all composite vegetables, except burdock, salsify, artichoke, chicory, endive, shungiku, lettuce (including cos lettuce and leaf lettuce), and herbs.
7. "Other liliaceous vegetables" refers to all liliaceous vegetables, except onion, welsh (including leek), garlic, nira, asparagus, multiplying onion, and herbs.
8. "Other umbelliferous vegetables" refers to all umbelliferous vegetables, except carrot, parsnip, parsley, celery, mitsuba, spices, and herbs.
9. "Other solanaceous vegetables" refers to all solanaceous vegetables, except tomato, pimiento (sweet pepper), and egg plant.
10. "Other cucurbitaceous vegetables" refers to all cucurbitaceous vegetables, except cucumber (including gherkin), pumpkin (including squash), oriental pickling melon (vegetable), watermelon, melons, and makuwauri melon.
11. "Other mushrooms" refers to all mushrooms, except button mushroom, and shiitake mushroom.
12. "Other vegetables" refers to all vegetables, except potatoes, sugar beet, sugarcane, cruciferous vegetables, composite vegetables, liliaceous vegetables, umbelliferous vegetables, solanaceous vegetables, cucurbitaceous vegetables, spinach, bamboo shoots, okra, ginger, peas (with pods, immature), kidney beans (with pods, immature), green soybeans, mushrooms, spices, and herbs.
13. "Other citrus fruits" refers to all citrus fruits, except unshu orange (pulp), citrus natsudaikai (pulp), citrus natsudaikai (peel), citrus natsudaikai (whole), lemon, orange (including navel orange), grapefruit, lime, and spices.
14. "Other berries" refers to all berries, except strawberry, raspberry, blackberry, blueberry, cranberry, and huckleberry.

15. "Other fruits" refers to all fruits, except citrus fruits, apple, Japanese pear, pear, quince, loquat, peach, nectarine, apricot, Japanese plum (including prune), mume plum, cherry, berries, grape, Japanese persimmon, banana, kiwifruit, papaya, avocado, pineapple, guava, mango, passion fruit, date and spices.

16. "Other nuts" refers to all nuts, except ginkgo nut, chestnut, pecan, almond and walnut.

17. "Other spices" refers to all spices, except horseradish, wasabi (Japanese horseradish) rhizomes, garlic, peppers chili, paprika, ginger, lemon peels, orange peels (including navel orange), yuzu (Chinese citron) peels and sesame seeds.

18. "Other herbs" refers to all herbs, except watercress, nira, parsley stems and leaves, celery stems and leaves.

19. "Other terrestrial mammals" refers to all terrestrial mammals, except cattle and pig.

20. "Other poultry" refers to all poultry, except chicken.